

1. (Amended) A remote control apparatus capable of operating and adjusting a multi-channel receiver, said remote control apparatus comprising:

transmitting means for transmitting data to said receiver;

5 at least one microphone for receiving sound outputted from said receiver; and

arithmetic operating means for calculating a state of said receiver from said sound received by said at least one microphone, and for analyzing an adjustment value for said receiver based on a calculation result,

wherein said transmitting means transmits data for initiating adjustment for said receiver and transmits an analysis result obtained by said arithmetic operating means.

2. (Amended) The remote control apparatus as claimed in claim 1, wherein the state of said receiver is at least one of a distance from a speaker of said receiver to said remote control apparatus, a frequency characteristic, or a sound pressure level.

3. (Amended) The remote control apparatus as claimed in claim 1, wherein said at least one microphone comprises two microphones.

4. (Amended) The remote control apparatus as claimed in claim 1, wherein said remote control apparatus comprises:

an apparatus main body;

first and second microphones arranged to a front portion  
5 of said apparatus main body;

first and second rotation holding plates for respectively holding said first and second microphones, said first and second rotation holding plates having partial gear portions formed therein for engaging with each other; and

a swiveling knob for engaging at least one of said first and second rotation holding plates, said swiveling knob imparting a swiveling force to said at least one of said first and second rotation holding plate,  
wherein said first and second rotation holding plates are pivotably mounted to said apparatus main body such that said plates engage with each other to swivel in opposed directions.

5. (Amended) The remote control apparatus as claimed in claim 1, wherein said remote control apparatus further comprises receiving means for receiving data from said receiver, said data received by said receiving means from said receiver being referred  
5 while the state of said receiver is calculated by said arithmetic operating means.

6. (Amended) A receiver operable and adjustable by a remote control apparatus and capable of multi-channel sound outputting, said receiver comprising:

receiving means for receiving data from said remote  
5 control apparatus; and

controlling means for controlling sound outputs from respective channels,

wherein said controlling means outputs a predetermined test tone from each channel by receiving at said receiving means data for initiating adjustment from said remote control apparatus,  
10 and

said controlling means controls a state of each channel in accordance with an adjustment value by receiving at said receiving means said adjustment value from said remote control apparatus.

7. (Amended) The receiver as claimed in claim 6, wherein the state of said receiver is at least one of a distance from a speaker of said receiver to said remote control apparatus, a frequency characteristic, or a sound pressure level.

8. (Amended) The receiver as claimed in claim 6, wherein said receiver further comprises transmitting means for transmitting data to said remote control apparatus, said data being required for calculation in said remote control apparatus.

9. (Amended) An audio system comprising

a remote control apparatus capable of operating and adjusting a multi-channel receiver; and

a receiver operable and adjustable by said remote control apparatus, and capable of multi-channel sound outputting,

said remote control apparatus comprising:

transmitting means for transmitting data to said receiver;

a microphone for receiving sound outputted from said receiver; and

arithmetic operating means which calculates the state of said receiver from the sound received by said microphone and analyzes an adjustment value for said receiver from a calculation result,

said receiver comprising:

receiving means for receiving data from said remote control apparatus; and

controlling means for controlling sound outputs for respective channels,

wherein said controlling means of said receiver outputs a predetermined test tone from each channel by transmitting data for initiating adjustment for said receiver from said transmitting means and receiving data for initiating adjustment by said receiving means, and transmits an analysis result obtained by said

arithmetic operating means from said transmitting means to said  
25 receiver, and said controlling means controls a state of each  
channel in accordance with an adjustment value received by said  
receiving means.

a 10. (Amended) The audio system as claimed in claim 9, wherein  
the state of said receiver is at least one of a distance from a  
speaker of said receiver to said remote control apparatus, a  
frequency characteristic, or a sound pressure level.

11. (Amended) The audio system as claimed in claim 9, wherein  
the audio system further comprises:

transmitting means for transmitting data to said remote  
control apparatus on said receiver side; and

receiving means for receiving data from said receiver on  
said remote control apparatus side,

wherein said remote control apparatus and said receiver  
alternately execute transmission and reception of data while  
performing adjustment.

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